

From: [HOPE Bruce](#)
To: [Eric Blischke/R10/USEPA/US@EPA](#); [PETERSON Jenn L](#)
Subject: RE: Arnot and Gobas model template
Date: 11/18/2005 08:43 AM

Just FYI, I spoke with Jon Arnot at the SETAC meeting this week. The "Arnot & Gobas" model was done as part of Jon's MS degree and he's moving on to other stuff for his PhD. His work with Windward seems to have been limited to making the prototype model he did for his MS work for PH. Since his PhD work is going in another direction, Jon didn't seem to have any real interest in continuing to work on this model.

-----Original Message-----

From: Blischke.Eric@epamail.epa.gov
[mailto:Blischke.Eric@epamail.epa.gov]
Sent: Thursday, November 10, 2005 4:45 PM
To: PETERSON Jenn L
Cc: HOPE Bruce
Subject: RE: Arnot and Gobas model template

My understanding is that they did some sort of area weighted average - I assume this would be difficult to reproduce. For PCBs - they looked at total acrolors in sediment and total congeners in surface water (average of the three transects). 4,4'-DDE should be straight forward. If the averaging approach is not described and documented adequately in the report, we can request it.

Eric

PETERSON Jenn L <PETERSON.Jenn@eq.state.or.us> 11/10/2005 01:36 PM	Eric Blischke/R10/USEPA/US@EPA cc Subject RE: Arnot and Gobas model template
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Eric,

I am hoping Bruce will respond directly too this, but it is my understanding he has all of the data (he has downloaded it), but we should be sure we are using the same dataset, and recreating how they "averaged" things together would be very difficult. It shouldn't be too difficult for them to provide tables on what data they used, and how they condensed it.

-Jennifer

-----Original Message-----
From: Blischke.Eric@epamail.epa.gov
[mailto:Blischke.Eric@epamail.epa.gov]
Sent: Thu 11/10/2005 1:07 PM
To: HOPE Bruce
Cc: PETERSON Jenn L
Subject: Fw: Arnot and Gobas model template

Bruce, here is the model (I think). As for your other requests - we have all the data. Surface water data was generated from the three surface water transects collected in the fall of 2004. Sediment data was based on 615 surface sediment samples (0 - 30 cm) collected during Round 1 and Round 2 of the RI/FS. This data includes shorebird and human health beach samples but does not include groundwater pilot study data. I will have Jordan Palmeri put together a package of data for you - that way we can manipulate it as necessary without going through the LWG. I also spoke to Nancy regarding the sensitivity analysis. It sounds like it was more of a "bounding" exercise. Variables were varied by 50 % (downward and sometimes upward). Variables that changed the output by more than 10 or 20 % (she wasn't sure which) were identified as sensitive parameters. Two more runs were performed with

all sensitive parameters minimized and all sensitive parameters
maximized.

I will get you the data. If you need more information on
the sensitivity analysis, I will request a explicit written
summary.

Thanks, Eric